

## Special Issue

# Application of 3D-Imaging in Diagnosis

### Message from the Guest Editor

Prenatal imaging diagnostic technologies contain sonography, magnetic resonance imaging (MRI), and computed tomography (CT). Conventionally, prenatal diagnostic imaging has been performed on a two-dimensional planar image. Owing to the 3D-imaging approach, however, it has been possible to demonstrate more comprehensive three-dimensional structures and make accurate diagnoses of congenital fetal diseases in utero. Fetal sonographic imaging has been amazingly advanced in recent decades, and various congenital anomalies have been visualized from a very early stage. In early pregnancy, sonoembryology has demonstrated small embryos and fetuses well. In mid-pregnancy, detailed sonography has visualized fetal organs' morphology and vascular structures. It is no exaggeration to say that recently advanced sonography significantly contributes to the elucidation of previously unknown fetal neurology. The purpose of this Special Issue is to cover the latest information on various prenatal 3D-imaging diagnostics by collecting articles that make full use of easy-to-understand illustrations, images, and pictures.

### Guest Editor

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## Diagnostics

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